

## MicroSeal SuperSorb®

### Sealed Edge Cleanroom Laundered 100% Polyester Knit Wiper

MicroSeal SuperSorb® is a high sorbency ultrasonically sealed edge cleanroom laundered two-ply wiper required for ISO Class 3 and above environments composed of 100% continuous filament polyester knit fabric. These properties provide MicroSeal SuperSorb® with the highest cleanliness levels, abrasion resistance, and chemical compatibility required for ISO Class 3 and above environments and applications requiring critical control of contaminants combined with superior performance. In addition, MicroSeal SuperSorb® provides the highest level of sorbency available in a two-ply polyester knit.



#### Key Attributes

- 100% continuous filament polyester knit
- Two-ply pinsonic construction with unique knit structure and pattern
- Ultrasonically sealed edge for reduced fibre contamination
- Laundered and packaged in Berkshire's ISO Class 4 cleanroom

#### Benefits

- Critically low particles, fibres, ions and extractables
- High abrasion resistance
- Chemically compatible with IPA, Acetone and other solvents
- Highest sorbency level available in a polyester knit reduces wiper usage
- Pinsonic design adds surface texture that aids in stubborn residue removal
- Low cost in use compared to other two-ply polyester knits

#### Applications

- Designed for use in ISO Class 3 and higher cleanroom environments
- Designed for the highest level of contamination control in critical processing applications
- Excellent for spill control and processing areas where sorbency is of the greatest importance
- Chamber cleaning and CMP processing
- Stencil and other print roll cleaning applications
- Steam autoclavable for aseptic applications
- Cleaning of medical device products
- Removing cleaning and disinfecting solutions

#### Other Class 3 and above wipers

- UltraSeal® 3000
- MicroSeal® 1200
- MicroSeal SuperSorb® Lite
- MicroSeal® VP
- ValuSeal® LP
- ValuSeal® HA
- ValuSeal® 1500

#### Value Pack Option

The value pack option provides the same great performance in a more economical bulk packaging format.

#### Pre-Wetted Option

The same wiper material can be provided in pre-wetted formats for reduced VOC emissions, increased convenience, increased productivity, improved solvent control and cleaning protocol repeatability and reduced costs.

#### Sterile Validated Option

For aseptic processing areas, the same wiper material can be provided in a gamma irradiated validated sterile to a 10<sup>-6</sup> sterility assurance level. Dry and pre-wetted versions available.

[www.berkshire.uk.com](http://www.berkshire.uk.com)

Contact: Tel + 44 1953 562800  
[enquiries@berkshire.uk.com](mailto:enquiries@berkshire.uk.com)

America	Tel 1 413 528 2602	<a href="mailto:info@berkshire.com">info@berkshire.com</a>
Europe	Tel + 44 1953 562800	<a href="mailto:enquiries@berkshire.uk.com">enquiries@berkshire.uk.com</a>
SE Asia	Tel 65 6252 4313	<a href="mailto:enquiries@berkshire.com.sg">enquiries@berkshire.com.sg</a>
Japan	Tel 81 3 4530 9883	<a href="mailto:master@berkshire.co.jp">master@berkshire.co.jp</a>

## Technical Data:

Attribute		Units	Value	Test Method
<b>Basis Weight</b>		g/m <sup>2</sup>	<b>265</b>	TAPPI T-410
<b>Caliper</b>		µm	<b>777</b>	TAPPI T-411
<b>Fibres</b>	≥100µm	fibres/cm <sup>2</sup>	<b>0.14</b>	IEST-RP-CC004.4 Sec 7.1.3/Sec 7.2.2 modified
<b>Particles</b>	≥0.5µm	x10 <sup>9</sup> /cm <sup>2</sup>	<b>0.51</b>	IEST-RP-CC004.4 Sec 7.1.3/Sec 7.2.1 modified
<b>Sorbency</b>	Capacity	mL/m <sup>2</sup>	<b>1010</b>	IEST-RP-CC004.4 Sec 9.1 / Sec 9.2 modified
	Efficiency	mL/g	<b>3.8</b>	
	Rate	seconds	<b>1</b>	
<b>Non-Volatile Residue</b>	DI Water	g/m <sup>2</sup>	<b>0.010</b>	IEST-RP-CC004.4 Sec 8.1.2
	IPA	g/m <sup>2</sup>	<b>0.014</b>	
<b>Ions</b>	Na <sup>+</sup>	ppm	<b>0.30</b>	IEST-RP-CC004.4 Sec 8.2.2
	K <sup>+</sup>	ppm	<b>0.023</b>	
	Ca <sup>++</sup>	ppm	<b>0.028</b>	
	Mg <sup>++</sup>	ppm	<b>0.051</b>	
	Cl <sup>-</sup>	ppm	<b>0.13</b>	

### Notes:

- Technical data represented in this table are typical values at the time of publication. These should not be used as product specifications.
- Due to differences in test methods applied and equipment utilised by different wiper manufacturers, valid product comparisons may only be obtained through side-by-side testing in the same test facility, under similar conditions
- Third party testing can be performed upon request

## Order Information:

Product	Number	Size	Shts/pk	Pks/cs	Style
MicroSeal SuperSorb®	MSSS.0909..8	9x9" (23x23cm)	100	8	Stacked
MicroSeal SuperSorb®	MSSS.1212.12	12x12" (30x30cm)	50	12	Stacked

## Other Berkshire products



Wipers



Glove Liners



Mop Systems



Documentation Systems



Face Masks



Swabs